

Synthesis of benzothiazine sulfonamides via heteroatomic Diels-Alder reaction of para-fluoro-N-sulfinylaniline with bicyclo[2.2.1]heptenes

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Abstract

© 2016 Pleiades Publishing, Ltd. Reaction of 4-fluoro-N-sulfinylaniline with norbornene and norbornadiene has afforded the Diels-Alder adducts of benzothiazine structure that have been oxidized into the corresponding benzothiazine sulfonamides. Structure of the obtained compounds and stereochemistry of the diene addition and epoxidation of norbornene olefin bonds have established by means of X-ray diffraction method.

<http://dx.doi.org/10.1134/S1070363216020158>

Keywords

bicyclo[2.2.1]heptene, Diels-Alder reaction, fluoro-N-sulfinylaniline, sulfonamides